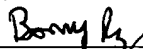


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Erik ESSERS, et al.	:	
Serial No.:	10/614,614	:	Examiner: LEYBOURNE, James J.
Filed:	July 7, 2003	:	Art Unit: 2881
For:	ARRANGEMENT FOR HOLDING A PARTICLE BEAM APPARATUS	:	Atty. Docket: FRM-03801

Certificate of Mailing

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as First Class mail, postage prepaid, in an envelope addressed to the Office of Patent Publication, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on this date of October 17, 2005.



Bonny Rogers

RESPONSE TO NOTICE TO FILE CORRECTED DRAWINGS

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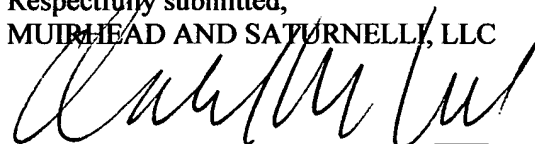
Sir:

In response to the Notice Regarding Drawings dated August 24, 2005, Applicant encloses new drawing sheets, 5 sheets of drawings containing Figs. 1, 2, 3, 4, 5A and 5B.

Although we believe that we have appropriately provided for any fees due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to/from our **Deposit Account No. 503596**. Two originally-executed copies of this form are being submitted.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (508) 898-8603.

Respectfully submitted,
MUIRHEAD AND SATURNELLI, LLC



Donald W. Muirhead
Reg. No. 33,978

October 17, 2005
Date

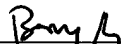
Muirhead and Saturnelli, LLC
200 Friberg Parkway, Suite 1001
Westborough, MA 01581
Phone: (508) 898-8601
Fax: (508) 898-8602

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No.:	10/614,614	:	Examiner: LEYBOURNE, James J.
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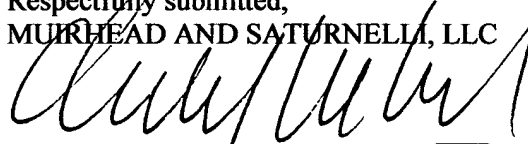
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October 17, 2005
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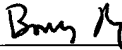
Muirhead and Saturnelli, LLC
200 Friberg Parkway, Suite 1001
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Phone: (508) 898-8601
Fax: (508) 898-8602

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Erik ESSERS, et al.	:	
		:	
Serial No.:	10/614,614	:	Examiner: LEYBOURNE, James J.
		:	
Filed:	July 7, 2003	:	Art Unit: 2881
		:	
For:	ARRANGEMENT FOR HOLDING A	:	Atty. Docket: FRM-03801
	PARTICLE BEAM APPARATUS	:	
		:	

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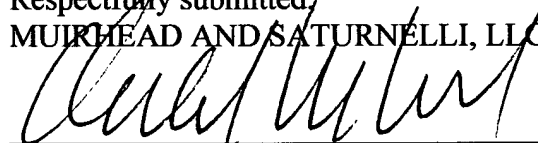
Sir:

Please direct all correspondence for this application to the following address:

**Muirhead and Saturnelli, LLC
200 Friberg Parkway, Suite 1001
Westborough, Massachusetts 01581**

In addition, please direct all telephone calls for this application to Donald W. Muirhead at 508-898-8603.

Respectfully submitted,
MUIRHEAD AND SATURNELLI, LLC



Donald W. Muirhead
Registration No. 33,978

October 17, 2005
Date

Muirhead and Saturnelli, LLC
200 Friberg Parkway
Suite 1001
Westborough, MA 01581
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WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/614,614	7-7-2003	ERIK ESSERS	FRM-03801

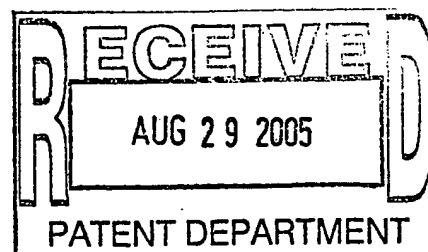
*Provide Corrected
Drawings*
DOCKETEDDUE: 10-24-05PATENT GROUP
CHOATE, HALL & STEWART
EXCHANGE PLACE, 53 STATE STREET
BOSTON, MA 02109Examiner
LEYBOURNE, JAMES JArt Unit 2881 Paper Number
Date Mailed:
8-24-2005

Notice Regarding Drawings

Corrected drawings for the above-identified application, received in the USPTO on 7-7-2003, are still not acceptable for the reason(s) identified on the attached PTO-948. Applicant is given one opportunity to correct the informalities within a two month time period from the mailing date of this Notice. **THIS TIME PERIOD IS NOT EXTENDABLE UNDER EITHER 37 CFR 1.136(a) OR 1.136(b).** Failure to take corrective action within the set period will result in abandonment of the application.

ATTACHMENT: PTO-948 Notice of Draftsperson's Patent Drawing Review

CHARLES FUNN

Office of Patent Publication,
Publishing Division
703-305-0333 Ext. 139

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 7-7-2003 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

☐ Color drawings are not acceptable until petition is granted. Fig(s) _____

☐ Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)

☐ One (1) full-tone set is required. Fig(s) _____

☐ Photographs may not be mounted. 37 CFR 1.84(e)

☐ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____

☒ Poor quality (half-tone). Fig(s) 1, 2, 3

3. TYPE OF PAPER. 37 CFR 1.84(c)

☐ Paper not flexible, strong, white, and durable.

Fig(s) _____

☒ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted.

Fig(s) 1, 2, 3

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

☐ 21.0 cm by 29.7 cm (DIN size A4) or

☐ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)

☐ All drawing sheets not the same size.

Sheet(s) _____

☐ Drawing sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

☐ Margins not acceptable. Fig(s) _____

Top (T) _____ Left (L) _____

Right (R) _____ Bottom (B) _____

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

☒ Views not labeled separately or properly.

Fig(s) 2

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

☐ Sectional designation should be noted with

Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

☐ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 4

11. SHADING. 37 CFR 1.84(m)

☐ Solid black areas pale. Fig(s) _____

☐ Solid black shading not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

☒ Numbers and reference characters not plain and legible. Fig(s) ALL

☒ Figure legends are poor. Fig(s) ALL

☐ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____

☐ English alphabet not used. 37 CFR 1.84(p)(2)

Fig(s) _____

☐ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

☐ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)

☐ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. DESIGN DRAWINGS. 37 CFR 1.152

☐ Surface shading shown not appropriate.

Fig(s) _____

☐ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

COMMENTS:

REMOVE BORDER - FIG. 1

Reviewer CB

If you have questions, call (703) 305-8404.

Date 8-24-2005

Attachment to Paper No. _____

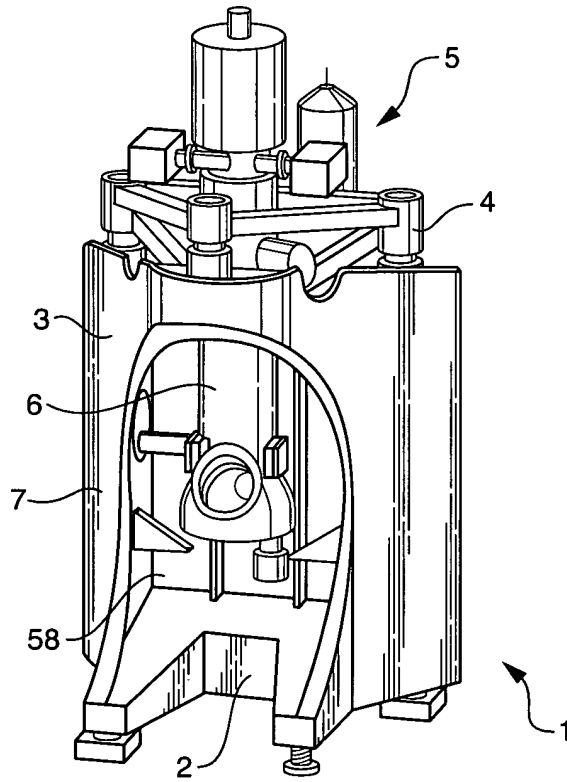


FIG. 1



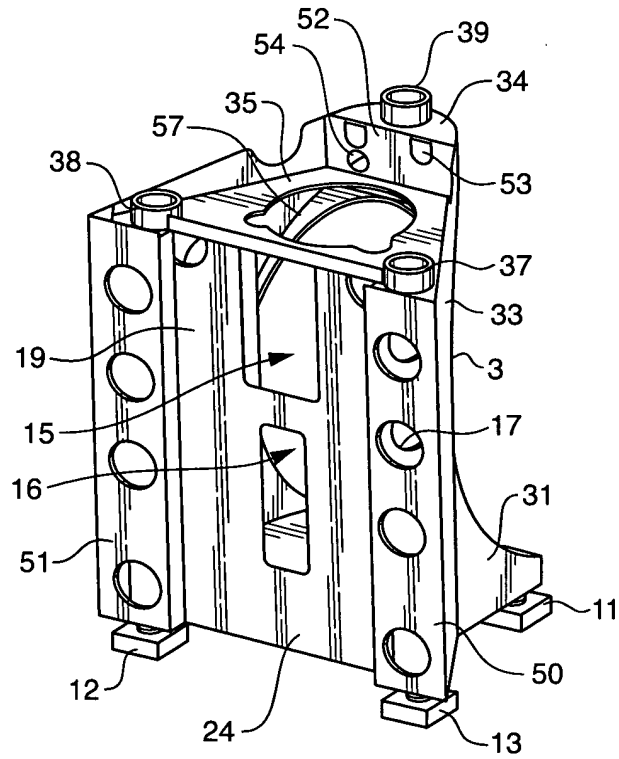


FIG. 3

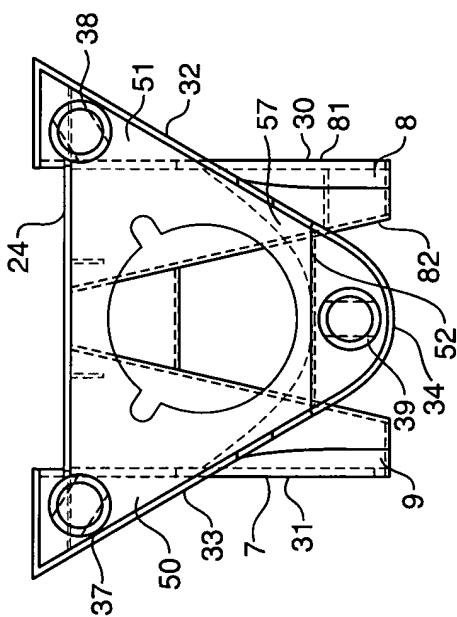


FIG. 4



5/5



FIG. 5B



FIG. 5A

